

IN THE CLAIMS

The claims are amended as follows:

1. (Currently Amended) A method, comprising:  
    sending an access-request signal comprising a well-known uniform resource locator to a network by a terminal for connecting to a help-portal server of said network and for requesting a provisioning signal or a management session signal for configuring the terminal;  
    receiving by the terminal, in response to said sending the access-request signal, an identity of said help-portal server using a chain of trust comprising at least two consecutive exchanges of information between trusted elements of the network and the terminal; and  
    ~~sending~~ re-sending, in response to said identifying, a request signal to the help-portal server by the terminal with a request to provide the provisioning signal or the management session signal to the terminal, wherein, after being configured using the provisioning signal or the management session signal, the terminal is enabled for handling data-protocol services and dynamically configured for the data-protocol services specific to a service provider in a secure way based on said chain of trust so as to be able to connect said terminal to an IP backbone network via a network, which provides said data-protocol services and which is provided by said service provider.
2. (Original) The method of claim 1, wherein said data-protocol services specific to said service provider are provided by a general packet radio service.

3. (Previously Presented) The method of claim 1, wherein the access-request signal is sent by a browser user agent block of the terminal.

4. (Previously Presented) The method of claim 1, wherein the well-known uniform resource locator is allowed by an access control profile of the terminal.

5. (Previously Presented) The method of claim 1, further comprising:

    sending the provisioning signal or the management session signal to the terminal for configuring the terminal.

6. (Previously Presented) The method of claim 5, wherein the provisioning signal is sent over an IP bearer or sent using a short message service protocol.

7. (Previously Presented) The method of claim 6, wherein said provisioning signal is sent over the IP bearer using a hyper text transfer protocol or a hyper text transfer protocol secure.

8. (Previously Presented) The method of claim 6, wherein said provisioning signal is sent over the air.

9. (Previously Presented) The method of claim 1, wherein identifying said help-portal server comprises:

    identifying to the terminal a trusted access point node name by a trusted home location register of the network;

re-sending the access-request signal to the trusted access point node by the terminal;

identifying to the terminal a trusted domain name service server of the network by the trusted access point node;

re-sending said access-request signal by the terminal to the trusted domain name service server for identifying an address mapping for the help-portal server; and

identifying said address mapping to the terminal by the trusted domain name service server.

10. (Previously Presented) The method as in claim 9, wherein a security of configuring the terminal is ensured by means of the chain of trust built by the trusted home location register, by the well-known access point node name for accessing the trusted access point node, by the trusted access point node, by the trusted domain name service server and by the well-known uniform resource locator.

11. (Previously Presented) The method of claim 1, wherein after said sending the request signal to the help-portal server, the method further comprises:

sending a user authentication request signal to an authentication block of the network or to the terminal or to both, the authentication block and the terminal, respectively, by the help-portal server, and a receiving authentication confirmation signal back from the authentication block or from the terminal, respectively, or from both, the authentication block and the terminal; and

determining if the terminal is authentic by the help-portal server based on the authentication confirmation signals.

12. (Previously Presented) The method of claim 1, wherein said access-request signal contains user identification information, a generic uniform resource locator request for the help-portal server or for the help-portal server and a device management server, and a well-known access point node name for accessing the trusted access point node or a wildcard access point node.

13. (Previously Presented) The method of claim 11, wherein if it is determined that the terminal is authentic, the method further comprises:

    sending a triggering signal to a provisioning server by the help-portal server; and

    sending a provisioning signal by the provisioning server to the terminal and so configuring said terminal.

14. (Cancelled)

15. (Previously Presented) The method of claim 11, wherein if it is determined that the terminal is authentic, the method further comprises the:

    sending an initial provisioning triggering signal to a device management server for initial provisioning; and

    sending a further triggering signal by the help-portal server to an initialization content handler of the terminal, said further triggering signal containing a

proxy address and a password for connecting to the device management server.

16. (Previously Presented) The method of claim 15, further comprising:

determining if the further triggering signal contains an instruction of making a connection to the device management server by the terminal.

17. (Previously Presented) The method of claim 16, wherein if the further triggering signal contains the instruction for making the connection to the device management server by the terminal, the method further comprises:

sending a start signal to a device management agent block of the terminal by the initialization content handler block;

sending a further access-request signal containing a network access authentication to the device development server by the device management agent block; and

sending the management session signal by the device development server to the terminal for further configuring the terminal.

18. (Previously Presented) The method of claim 1, wherein before sending the access-request signal to the network, the method further comprises:

starting a browser user agent by a starting signal.

19. (Currently Amended) A cellular communication system, comprising:

a terminal, enabled for handling data-protocol services and dynamically configured for the data-protocol services specific to a service provider in a secure way based on a chain of trust, responsive to a provisioning signal or to a management session signal for configuring the terminal, for ~~providing~~ sending an access-request signal comprising a well-known uniform resource locator for connecting to a help-portal server, for ~~sending~~ re-sending, in response to identifying said help-portal server, a request signal to the help-portal server with a request to provide the provisioning signal or the management session signal to the terminal; and

a network provided by said service provider and comprising said help-portal server, responsive to the access-request signal, for providing the data-protocol services specific to the service provider, for said identifying, in response to said sending the access-request signal, said help-portal server to said terminal using said chain of trust comprising at least two consecutive exchanges of information between trusted elements of the network and the terminal, for providing the provisioning signal or the management session signal to the terminal to perform said configuring and for enabling after said configuring a connection of said terminal to an IP backbone network via the network.

20. (Previously Presented) The cellular communication system of claim 19, wherein the well-known uniform resource locator is allowed by an access control profile of the terminal.

21. (Previously Presented) The cellular communication system of claim 19, wherein said data-protocol services specific to said service provider are provided by a general packet radio service.

22. (Previously Presented) The cellular communication system of claim 19, wherein the terminal comprises:

a browser user agent block, responsive to a starting signal , for providing the access-request signal to the network.

23. (Previously Presented) The cellular communication system of claim 19, wherein said help-portal server of said network is responsive to the request signal and to one or both authentication confirmation signals, for providing a triggering signal, or an initial provisioning triggering signal and a further triggering signal; said network further comprises:

a trusted domain name service server, responsive to the access-request signal from the terminal, for identifying to the terminal an address mapping for the help-portal server;

a trusted access point node, responsive to the access-request signal, for providing to the terminal the trusted domain name service server;

a trusted home location register, responsive to the access-request signal, for providing the trusted access point node to the terminal; and optionally

an authentication block, responsive to an authentication request signal, for providing the one

authentication confirmation signal to the help-portal server.

24. (Previously Presented) The cellular communication system of claim 23, wherein a security of configuring the terminal is ensured by means of the chain of trust built by the trusted home location register, by the well-known access point node name for accessing the trusted access point node, and further built by the trusted access point node, by the trusted domain name service server and by the well-known uniform resource locator.

25. (Previously Presented) The cellular communication system of claim 19, wherein said access-request signal contains user identification information, a generic uniform resource locator request for the help-portal server or for the help-portal server and a device management server, and a well-known access point node name for accessing the trusted access point node or a wildcard access point node.

26. (Previously Presented) The cellular communication system of claim 23, wherein the network further comprises:  
a provisioning server, responsive to the triggering signal by the help-portal server, for providing the provisioning signal to the terminal.

27 (Cancelled)

28. (Previously Presented) The cellular communication system of claim 23, wherein the network further comprises:



a device management server, responsive to said initial provisioning signal, to a further access-request signal containing a network access authentication provided by the terminal in response to said further triggering signal, for providing the management session signal to the terminal for configuring the terminal.

29. (Previously Presented) The cellular communication system of claim 28, wherein the terminal further comprises:

an initialization content handler, responsive to the further triggering signal containing a proxy address and a password for connecting to the device management server, for providing a start signal; and

a device management agent block, responsive to the start signal, for providing the further access-request signal.

30. (Previously Presented) The cellular communication system of claim 19, wherein the provisioning signal is sent over an IP bearer or sent using a short message service protocol.

31. (Previously Presented) The cellular communication system of claim 30, wherein said provisioning signal is sent over the IP bearer using a hyper text transfer protocol or a hyper text transfer protocol secure.

32. (Previously Presented) The cellular communication system of claim 30, wherein said provisioning signal is sent over the air.

33. (Currently Amended) A computer program product comprising: a computer readable storage structure embodying a computer program code thereon for execution by a computer processor with said computer program code wherein said computer program code comprises instructions for performing the method of claim 1, indicated as being performed by a terminal or by a network or by both the terminal and the network.

34. (Cancelled)

35. (Cancelled)

36. (Currently Amended) A terminal, comprising:

a browser user agent block, for ~~providing~~ sending an access-request signal comprising a well-known uniform resource locator to a network for connecting to a help-portal server of said network, for ~~sending~~ re-sending, in response to identifying said help-portal server, a request signal to the help-portal server with a request to provide the provisioning signal or the management session signal to the terminal,

wherein said terminal is configured to receive an identity of said help-portal server using a chain of trust comprising at least two consecutive exchanges of information between trusted elements of the network and the ~~the~~ browser user agent block, and

wherein, after being configured using the provisioning signal or the management session signal, the terminal is enabled for handling data-protocol services and dynamically configured for the data-protocol services specific to a

service provider in a secure way based on said chain of trust so as to be able to connect said terminal to an IP backbone network via a network, which is configured to provide said data-protocol services and which is provided by said service provider.

37. (Previously Presented) The terminal of claim 36, wherein said data-protocol services specific to said service provider are provided by a general packet radio service.

38. (Previously Presented) A network, comprising:  
a help-portal server, for providing the data-protocol services specific to a service provider, responsive to the request signal from a terminal for providing the provisioning signal or the management session signal to the terminal to perform configuring of said terminal and for enabling after said configuring a connection of said terminal to an IP backbone network via the network, which is configured to provide said data-protocol services and which is provided by said service provider,

wherein, in response to an access-request signal comprising a well-known uniform resource locator for connecting to said help-portal server from a terminal, the network is configured to identify said help-portal server to said terminal using a chain of trust comprising at least two consecutive exchanges of information between trusted elements of the network and the terminal.

39. (Currently Amended) The network of claim 38, wherein said trusted elements of the network ~~network elements~~ comprise:

a trusted home location register, responsive to the access-request signal, for providing the trusted access point node to the terminal,

a trusted access point node, responsive to the access-request signal, for providing to the terminal the trusted domain name service server;

a trusted domain name service server, responsive to the access-request signal from the terminal, for identifying to the terminal an address mapping for the help-portal server.

40. (Previously Presented) The network of claim 38, wherein the help-portal server is configured to provide an authentication request signal, and said network further comprises:

an authentication block, responsive to said authentication request signal, for providing an authentication confirmation signal to the help-portal server.

41. (Previously Presented) The network of claim 38, wherein the help-portal server is configured to provide a triggering signal in response to said request signal, and said network comprises:

a provisioning server, responsive to the triggering signal by the help-portal server, for providing the provisioning signal to the terminal.